AMENDMENTS TO THE CLAIMS

Please add new claims 17-20 and accept amended claims 1, 3-11 as follows:

1. (Currently Amended) A system for automatic generation of ~~card-based presentation documents from multimedia data~~ a card-based formatting object description, comprising:

a presentation style transformer for receiving a card display schema and ~~for processing said card display schema to describe meta rules about presentation resources and content variable definitions for~~ a card layout style specification and for generating a card-based presentation specification; and

a card-based presentation generator connected to said presentation style transformer for receiving said card-based presentation specification and ~~a card-based~~ markup language document content and for providing ~~formatting object descriptions~~ an abstract description of formatting directives of a presentation document.

2. (Cancelled)

3. (Currently Amended) ~~A~~ The system for automatic generation of ~~card-based presentation documents from multimedia data~~ said card-based formatting object description, as claimed in claim 1 wherein said presentation style transformer comprises:

a resource generator for receiving said card layout style specification and said card display schema and providing presentation resource declarations of said card-based presentation specification; and

a style proceduralizer for translating said card layout style specification into procedural card content mapping rules of said card-based presentation specification.

4. (Currently Amended) A The system for automatic generation of ~~card-based presentation documents from multimedia data~~ said card-based formatting object description, as claimed in claim 3 wherein said style proceduralizer comprises:

a card-based context tree builder;

a content node path walker connected to said card-based context tree building; and

a content mapping rule generator connected to said content node path walker.

5. (Currently Amended) A The system for automatic generation of ~~card-based presentation documents from multimedia data~~ said card-based formatting object description, as claimed in claim 1 wherein said card based presentation generator comprises:

a presentation construct mapper;

a card-based Document Style Semantics and Specification Language (DSSSL) processor connected to said presentation construct mapper; and

a Formatting Object Descritptions (FOD) converter connected to said card-based Document Style Semantic Language processor.

6. (Currently Amended) A system for automatic generation of ~~card-based presentation documents from multimedia data~~ a card-based formatting object description, comprising:

presentation style transformer means for receiving a card layout style specification and a card display schema and for providing a card-based presentation specification; and

card-based presentation generator means connected to said presentation style transformer means for receiving said card-based presentation specification and ~~a card-based~~ markup language

-3-

document content and for providing ~~formatting object descriptions~~ an abstract description of formatting directives of a presentation document.

7. (Currently Amended) ~~A~~ The system for automatic generation of ~~card-based presentation documents from multimedia data~~ said card-based formatting object description, as claimed in claim 6 wherein said presentation style transformer means comprises:

resource generator means for receiving said card layout style specification and said card display schema and for providing presentation resource declarations of said card-based presentation specification; and

style proceduralizer means for ~~receiving~~ translating said card layout style specification ~~and said card display schema and for providing~~ into procedural card content mapping rules of said card-based presentation specification.

8. (Currently Amended) ~~A~~ The system for automatic generation of ~~card-based presentation documents from multimedia data~~ said card-based formatting object description, as claimed in claim 7 wherein said style proceduralizer means comprises:

card-based context tree builder means for receiving said card layout style specification and for providing a context tree;

content node path walker means connected to said card-based context tree builder means for receiving said context tree and for providing context paths; and

content mapping rule generator means connected to said content node path walker means for receiving said context paths and said card display schema and for providing said card-based presentation specification.

-4-

9. (Currently Amended) ~~A~~ The system for automatic generation of ~~card-based presentation documents from multimedia data~~ said card-based formatting object description, as claimed in claim 8 wherein said context tree captures content mapping rule context for making an efficient generation process of procedural rule mappings in Card-based Presentation Specification (CPS).

10. (Currently amended) ~~A~~ The system for automatic generation of ~~card-based presentation documents from multimedia data~~ said card-based formatting object description, as claimed in claim 6 wherein said card based presentation generator means comprises:

presentation construct mapper means for receiving said card-based presentation specification and for providing card-based Document Style Semantics and Specification Language (DSSSL) style specifications;

card-based Document Style Semantics and Specification Language (DSSSL) processor means connected to said presentation construct mapper means for receiving said card-based Document Style Semantics and Specification Language (DSSSL) style specifications and said ~~card-based~~ markup language document content and for providing a card-based document flow object tree; and

card-based Formatting Object Descriptions (FOD) converter means connected to said card-based Document Style Semantics and Specification Language (DSSSL) processor means for receiving said card-based document flow object tree and for providing said ~~formatting object descriptions~~ abstract description of formatting directives.

11. (Currently amended) ~~A~~ The system for automatic generation of ~~card-based presentation~~

~~documents from multimedia data~~ <u>said card-based formatting object description,</u> as claimed in claim 10 wherein said card-based document flow object tree comprises:

a specification of a sequence of card-based Formatting Object Descriptions (FOD) flow objects.

12. (Previously amended) A method for automatic generation of card-based presentation documents from multimedia data comprising the steps of:

generating presentation resource descriptions;

translating declarative card layout style specifications into procedural card-based presentations; and

generating a card based presentation.

13. (Cancelled)

14. (Previously amended) A method for automatic generation of card-based presentation documents from multimedia data as claimed in claim 12 wherein translating declaration card layout style specifications comprises the steps of:

building a card-based context tree;

building context paths; and

generating a content mapping file.

15. (Cancelled)

16. (Previously amended) A method for automatic generation of card-based presentation

documents from multimedia data as claimed in claim 12 wherein generating a card based

presentation comprises the steps of:

mapping Card-based Presentation Specification (CPS) constructs into card-based

Document Style Semantics and Specification Language (DSSSL) style constructs;

creating card-based document flow object tree; and

converting card-based document flow object tree into formatting object descriptions.

17. (New) The system for automatic generation of said card-based formatting object description,

as claimed in claim 1, wherein said card-based presentation generator further receives non-

textual document content.

18. (New) The system for automatic generation of said card-based formatting object description,

as claimed in claim 1, wherein said abstract description of formatting directives of said

presentation document comprises a sequence of formatting object description flow object

instances.

19. (New) The system for automatic generation of said card-based formatting object description,

as claimed in claim 6, wherein said card-based presentation generator further receives non-

textual document content.

20. (New) The system for automatic generation of said card-based formatting object description,

as claimed in claim 6, wherein said abstract description of formatting directives of said presentation document comprises a sequence of formatting object description flow object instances.